

3D Tiles are sculptural acoustic tiles designed for wall applications

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Autex Acoustics® confirms that this minimum level of assurance has been met or exceeded by the following:

Global GreenTagCert EPD Program

[Autex Acoustics Panels and Tiles - ATX AP05 2023EP](#)



The following information has been provided by Autex Acoustics® demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 1

Product Description

Equal parts form and function, 3D Tiles are sculptural acoustic tiles designed for interior wall application. Moulded into abstract, three-dimensional shapes 3D Tiles provide acoustic absorption across the mid to high-frequency range.

Features and benefits

- Designed to reduce and control reverberated noise and echo in building interiors
- Surface Group Rating 1-S
- Lightweight
- Includes mounting clips for easy install
- Available in eight designs and customisable
- EPD Global Green Tag
- Made locally

Scope of use

Limitations on use of building product

- 3D Tiles has not been tested as part of a fire rated separation assembly, and therefore does not contribute to and do not affect the fire resistance of fire separations.
- 3D Tiles does not improve the fire performance of timber linings such as plywood and particle board with material Group Numbers worse than 1-S.
- Exposure to humidity levels of above 65% may affect durability of the product.
- Air passing through the product due to high pressure or temperature difference can cause the appearance of soil filtration lines on the product surface. This is not a product fault and can be avoided by minimising high temperature or pressure difference across the product and by keeping the room well-ventilated and free from pollutants.
- Interior use only

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(c)
When the building is maintained so that the provisions of NZBC E2 and E3 are met, where the wall tile is not exposed to conditions to diminish its performance, and the maintenance of the system is in accordance with the product manufacturers maintenance instructions, the life expectancy is 5 years for materials.
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(a)
Performance C3.4(a)Independent Testing: Suitable for use on equivalent Group 1S substrates to maintain a Group Rating.
- **Clause F2 Hazardous building materials:** Performance F2.3.1



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Company Contact Details



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Company: Autex Acoustics

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Website: <https://www.autexacoustics.co.nz/products/3d-tiles>

Refer to the independent testing for environmental certifications found on the product data sheet: - Declare Red List free- EPD - Global Green Tag - see certification

Notes

Absorption Coefficient According ISO 354 University of Auckland Test Report Number - test reports available

Colour fastness to rubbing ISO 105-X12:2016 Dry rating: 4-5 (Highest = 5) Wet rating: 4-5 (Highest = 5)

Microbial resistance ASTM G21-15 Growth rating: 0 (No growth) 3D Tiles do not promote the growth of moulds and mildew

Water vapour sorption ASTM C1104 / C1104M-13a Test conditions: 49°C, 95%RH Water vapour absorbed and absorbed after 4 days: 0.4% by weight.

B2 Durability: Performance B2.3.1(c).

C3 Fire Affecting Areas Beyond the Fire Source: Performance C3.4(a).

F2 Hazardous Building Materials: Performance F2.3.1.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

Refer to website for technical documentation:
<https://www.autexacoustics.co.nz/products/3d-tiles>

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



Global GreenTagCert EPD Program

[Autex Acoustics Panels and Tiles - ATX AP05 2023EP](#)

Use in Service History

Backing and fabric has 20 years in service history.

Product Criteria

Design requirements

Design Options

3D Tiles are available in a range of designs and colours. Please visit our website to view product style selector:

Suitable application for decorative and functional acoustic tile in retail, education, hospitality and commercial interiors.

3D Tiles is designed to be installed on walls to reduce reverberation times.

When installing 3D Tiles near lighting or heating appliances, it must be ensured that the surface temperature of the product does not exceed 80°C.

Interior use only.

Direct fix to wall substrate.

Maintains a Group Surface Rating 1-S when installed on an equivalent Group 1-S substrate.

Installation requirements

3D Tiles must be installed according to the 3D Tiles Install Instructions found on this website: <https://www.autexacoustics.co.nz/products/3d-tiles>

Maintenance requirements

Refer to the Autex Acoustics Care and Maintenance Guide for cleaning and maintenance instructions.

Perform light vacuuming on a regular basis to prevent build up of dust.

Light marks can be cleaned with a mild detergent solution followed by rinsing and blotting. Stubborn stains should be dealt with according to the Care and Maintenance Guide, or by contacting a professional cleaning expert.

Printed 3D Tiles must be cleaned by a specialist cleaning company.

Warrantees

Material warranty - 5 years

Company Product Information

Environmental

Carbon neutral product and Zero carbon manufacturing
Recycled content - >55% recycled material
Low VOC and CDPH compliant - <0.0035 mg/m3 (7 days)
Zero waste manufacturing initiative.
Green Tag EPD available EN 15804
Declare Red List Free

Quality Assurance



ISO 9001 (Quality Management)

Relationships



New Zealand Made



Member of New Zealand Green Building Council



Environmental Choice New Zealand

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Autex Acoustics

Business Email:

enquiries@autex.co.nz

Company Website:

<https://www.autexacoustics.co.nz/>

Contact Number/s:

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Product Identifier

3D TILES S-5.26, S-5.28, S-5.32, S-5.34, S-5.50, S-5.53

Warnings

This product has no warnings associated with it.



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